

FIG. 1

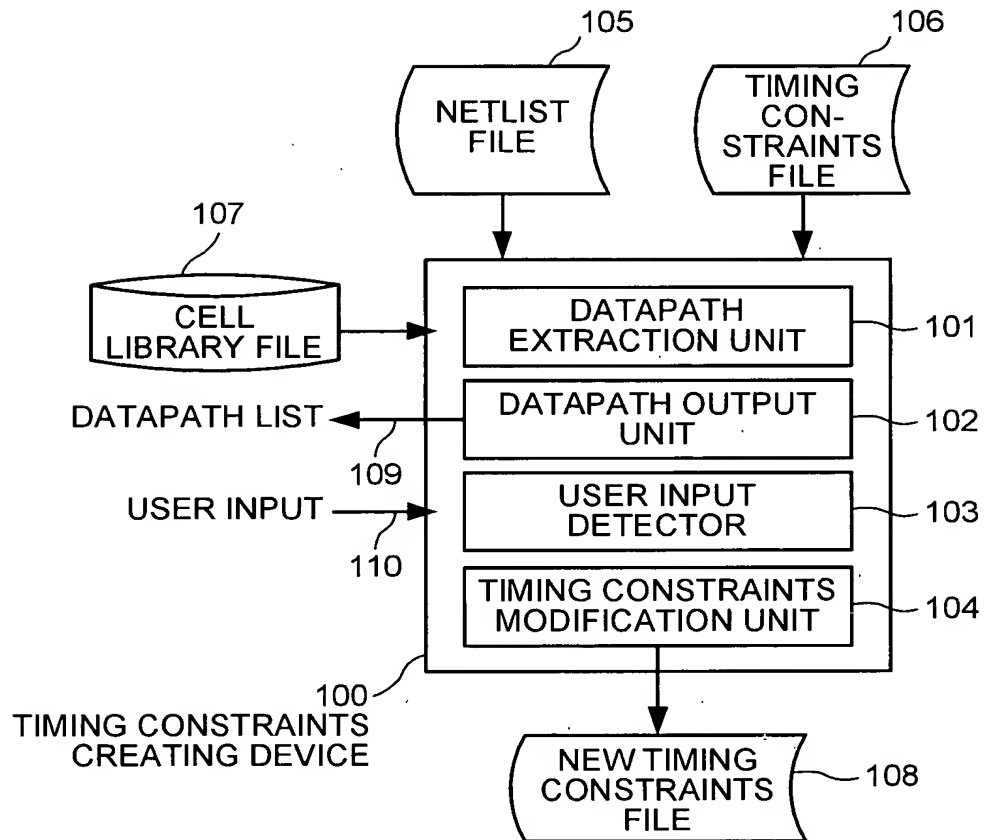


FIG.2

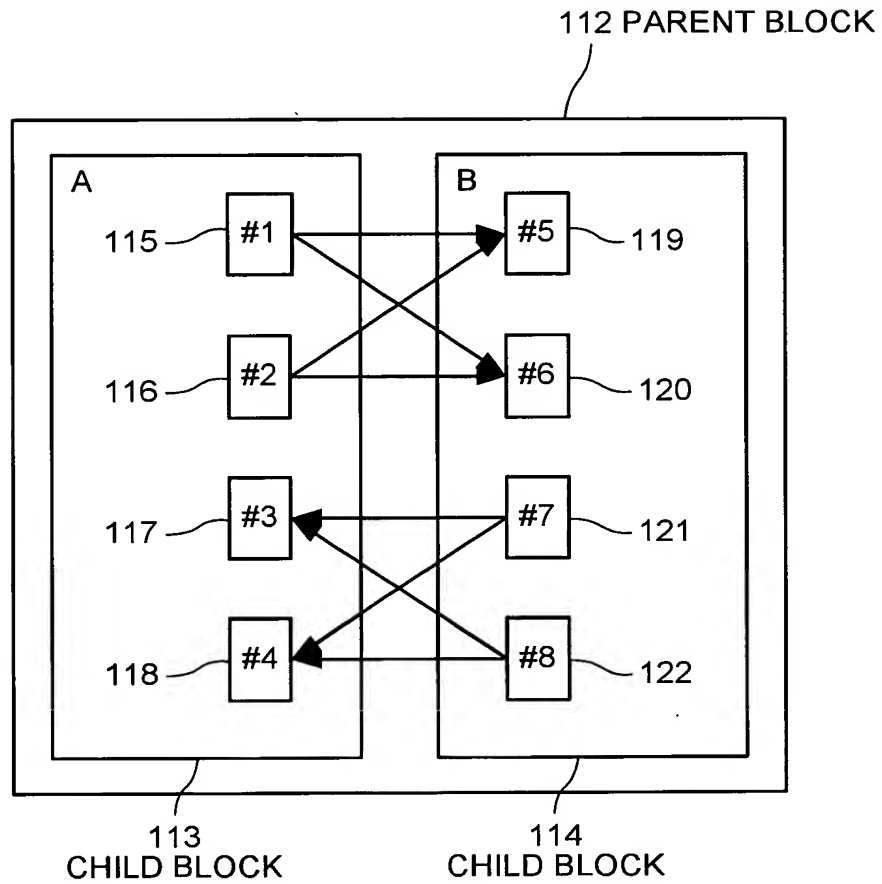


FIG.3

DATAPATH	false	multi cycle	disable
#1-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>

FIG.4

DATAPATH	false	multi cycle	disable
#1-#5	<input checked="" type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#6	<input type="checkbox"/>	<input checked="" type="checkbox"/> (2)	<input type="checkbox"/>
#7-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>

FIG.5

DATAPATH	false	multi cycle	disable	slack
#1-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	-5.105
#1-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	-0.105
#2-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	+0.316
#2-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	-3.761
#7-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	+0.742
#7-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	+0.311
#8-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	+0.462
#8-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>	+0.269

FIG.6

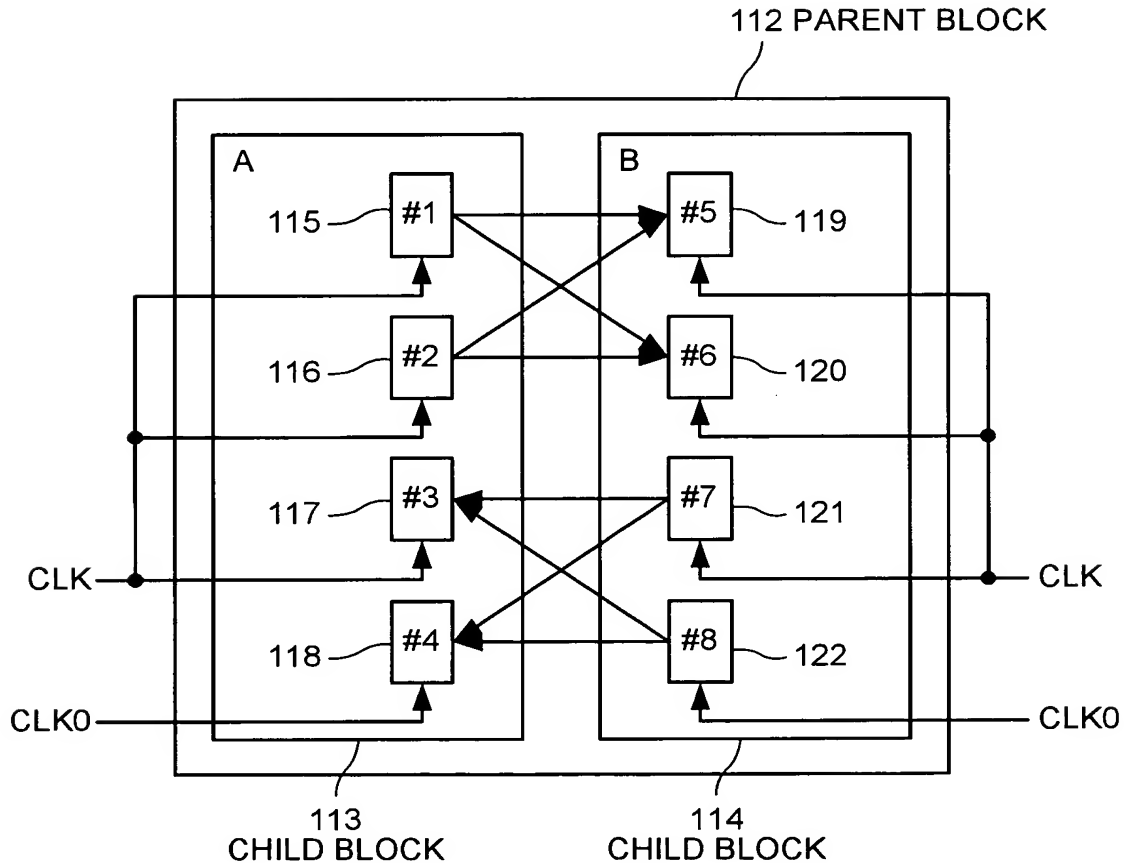


FIG.7

DATAPATH	false	multi cycle	disable
clk-clk	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk-clk0	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk0-clk	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk0-clk0	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>

FIG.8

DATAPATH	false	multi cycle	disable
A-B	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk-clk	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#1-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#5	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#2-#6	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk-clk0	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#7-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk0-clk	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#3	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
clk0-clk0	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>
#8-#4	<input type="checkbox"/>	<input type="checkbox"/> ()	<input type="checkbox"/>